

## ABSTRACT OF THE DISCLOSURE

A method for simply decomposing and disposing organic substances while preventing occurrence of toxic substances, which method is directed, firstly, to a technique wherein photocatalyst powder is applied from the upper side with liquefied organic substances, and the photocatalyst powder is heated to between 50 and 400°C, secondly to a technique wherein photocatalyst powder is contacted with gaseous organic substances while the photocatalyst powder being heated to between 50 and 400°C, thirdly to a technique wherein an organic substance to be decomposed is introduced, in a state of gas, liquid or solid, into a suspension of photocatalyst's finely divided particles and is heated in a range of temperatures between 50 and 100°C, and fourthly to a technique wherein organic substances are decomposed at two or more stages.